

EHBT-50 Minilab Multi-Functional Analyzer

7-Diff Hematology + Immunology + Biochemistry analysis

All-In-One

- Combining hematology, immunoassay, biochemistry, urine and fecal testing in one device, our product simplifies diagnostics, reduces costs, and optimizes lab space, catering to the needs of healthcare

Looking ahead, Ozelle w

Advanced Cell Morphology Analysis

- With more than 7-diff hematology analysis, AI-driven EHBT-50 can identify multi-classified blood cells and abnormal cells, such as **NST, NSG, NSH, NLR, PLR, ALY, PAg and RET**



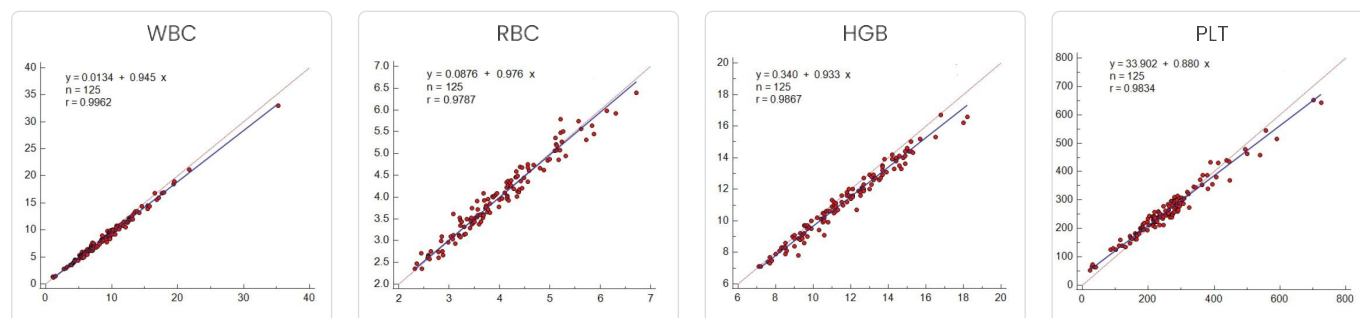
Linearity

Parameters	Linearity Range	Allowable Deviation	R ²
WBC	1.0 ~ 10.0*10 ⁹ /L	Within ±0.5*10 ⁹ /L	≥0.990
	10.1 ~ 99.9*10 ⁹ /L	Within ±5%	≥0.990
RBC	0.30 ~ 1.00*10 ¹² /L	Within 0.05*10 ¹² /L	≥0.990
	1.01 ~ 7.00*10 ¹² /L	Within ±5%	≥0.990
HGB	20 ~ 70g/L	≤2g/L	≥0.990
	71 ~ 200g/L	Within ±3%	≥0.990
PLT	20 ~ 100*10 ⁹ /L	Within ±10*10 ⁹ /L	≥0.990
	101 ~ 999*10 ⁹ /L	Within ±10%	≥0.990

Precision

Parameters	Detection Range	CV
WBC	3.5 ~ 9.5*10 ⁹ /L	≤6.0
RBC	3.8 ~ 5.8*10 ¹² /L	≤3.0
HGB	115 ~ 175g/L	≤2.5
PLT	125 ~ 350*10 ⁹ /L	≤10.0
HCT/MCV	35~50% (HCT)	≤3.0
	82~100fL (MCV)	≤3.0

Lab-Grade Results



Test Item

7-Diff CBC	37 Parameters: WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC, NST#, NST%, NSG#, NSG%, NSH#, NSH%, NLR, PLR, ALY#, PAG#, RET#, RET%			
Immunoassay	Bone Metabolism	25-OH-VD	Diabetes	HbA1c
	Kidney	mALB*, NGAL*, β 2-MG*	Thyroid	T3, T4, TSH, FT3*, FT4*
	Anemia	Ferritin*	Cardiac	NT-ProBNP*, cTnI, Myo* CK-MB*, cTnI/Myo/CK-MB*, cTnT*
	Sex Hormone	β -HCG*, LH*, FSH*, Prog*, PRL*, E2*, TEST*, AMH*		
	Inflammation	CRP, hs-CRP, SAA*, CRP/SAA*, IL-6*, PCT	Thrombus	D-Dimer*
Biochemical Test	Blood Glucose & Lipid	Glu, TG, TC, UA	Renal & Liver Test	UA, CR, ALT, AST
	Renal Test	UA, CR, UREA	Liver Test	ALT, AST, TB, ALB
Urine & Fecal Test	Can be expanded via OTA in the future			

*Under development

Specifications

Principle: Cell morphology for CBC

Photoelectric colorimetry for HGB

FIA for Immunofluorescence assay

Dry chemistry

Display: 10.1-inch touch screen

Printer: Built-in thermal printer, external printer (optional)

Dimensions: 400mm x 350mm x 450mm (L x W x H)

Communication: LIS, HIS, LAN port, 4 USB ports, Type C port,
SIM port, RTC port

Sample Mode: Capillary/venous whole blood

Sample Volume: 30 μ L for testing

60 μ L for loading

Quality Control: Dry-type QC card

Calibration Mode: Auto calibration

Power Supply: 100-240V, 50/60Hz

Throughput: 10 samples/hour

Weight: 15kg (N.W.)

Ozelle

BEESKOWER STRABE 4 IN 15234 FRANKFURT, GERMANY

ZITRON MEDICOM SYSTEM

Suite 3-6, Lower Level 3, Tower 1, B5, The Horizon Annexe,
Avenue 7, Bangsar South City,
No 8 Jalan Kerinchi, 59200 Kuala Lumpur
TEL : 603-74993971 Mobile : 6012-6537892
Email : rameshzitron@yahoo.com